

What is claimed is:

1. A slip ring end housing (Fig. 3 & 4) for an alternator, the slip ring end housing comprising of a predetermined length and width, an open first end, a second end and a sidewall extending therebetween, the second end of the slip ring end housing including a bearing well having an inner side and an outer side, and including a rectifier (Fig. 5), the improvement comprising: The said rectifier (Fig. 2) consisting of 9 button diodes (2C), 6 of which are twinned and soldered on the positive heat sink (2A) and 3 of which are soldered on the negative heat sink which is seated on dual protruding grounding tabs (3B).
2. The slip ring end housing of claim 1, wherein the said rectifier (Fig. 2) includes three air flow paths (2B) within the terminal block of the said rectifier (Fig. 2) which allow for the additional flow through of air around the diodes of the said rectifier consisting of 9 50 Amp button diodes (2C) 6 of which are twinned and soldered on the positive heat sink (2A) and 3 of which are soldered on the negative heat sink of an alternator.